

# FH17743-02-1-C1

## CLADDING CLASSIFICATION



This is to certify that the specimen described below was tested by BRANZ in accordance with ISO 5660 Part 1:2002

### Test Sponsor

Abodo Wood Limited  
62 Ascot Road  
Mangere  
Auckland, 2022  
New Zealand

### Date of tests

28th of June and 4th July 2023

### Reference BRANZ Test Report

FH17743-02-1 – issued 25 October 2023

### Test specimens as described by the client

#### Abodo Vaaro™ (ratio I) Vertical Grain Laminated (VGLAM) board

Abodo Vaaro™ (ratio I) VG laminated Pinus radiata board is a thermally modified timber board which has been fully impregnated with a fire-retardant chemical treatment. It has been machined to produce a nominally 18 mm thick profile from a nominally 20 mm thick 'blank' FR treated board. Profiling was achieved by machining off nominally 1.0 mm from the exposed face and nominally 1.0 mm from the unexposed back face.

Specimen ID	Mass* (g)	Thickness* (mm)	Apparent Density* (kg/m <sup>3</sup> )	Colour
FH17743-13-50-5 FH17743-14-50-1-5	132.6	18.3	723	Natural Wood

\*mean value across replicate specimen.

Testing was carried out on this specimen to allow manufacturers to be able to process these boards post fire-retardant treatment.

### Classification in accordance with the New Zealand Building Code

Calculations were carried out according to NZBC Verification Method C/VM2 Table 4.1. The classification for the sample as described above is given in the table below.

Building Code Document	Classification
NZBC Acceptable Solutions C/AS1, Table 5.1	PHR < 100 kW/m <sup>2</sup> and THR < 25 MJ/m <sup>2</sup>
NZBC Acceptable Solutions C/AS2, Table C1.3	Type A

Note: Peak Heat Release Rate (PHR), Total Heat Released (THR)

### Issued by

L. Q. Greive  
Associate Fire Testing  
Engineer  
BRANZ

### Reviewed by

L. F. Hersche  
Fire Testing Engineer  
BRANZ

Regulatory authorities are advised to examine test reports before approving any product.



All tests and procedures reported herein, unless indicated, have been performed in accordance with the laboratory's scope of accreditation

### Issue Date

25 October 2023